

TDMS No. 20537 - 02

Test Type: 90-DAY

Route: INTRADUCTAL CANNULATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Adenoviral Vector (AdhAQP1)

CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009

Time Report Requested: 11:31:02

First Dose M/F: NA / 07/25/05

Lab: MBA

F1_R2_1Wk_SSAC

C Number: C20537

Lock Date: 11/19/2007

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25017 SSAC

Removal Date Range: ALL

Treatment Groups: Include 001 VEHCONTRCOHRTA Include 006 2-8ADHAQP1COHTA Include 011 8-9ADHAQP1COHTA
Include 016 2-11ADHAQP1COHTA

Study Gender: Female

TDMSE Version: 2.1.0

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
VEHCONTRCOHRTA	1	1	1	1	1
	0	0	0	0	0
	1	2	3	4	5

*** TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Degeneration	1					1 1.0
Left, Parotid Gland, Inflammation	1					1 1.0
Left, Parotid Gland, Necrosis	1					1 1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Lab: MBA

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	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
FISCHER 344 RATS FEMALE VEHCONTRCOHRTA	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	1	1	1	1	1
	0	0	0	0	0
	1	2	3	4	5
					* TOTALS
Left, Sublingual Gland, Inflammation			2		1 2.0
Left, Submandibular Gland, Degeneration		3			1 3.0
Left, Submandibular Gland, Inflammation		3			1 3.0
Left, Submandibular Gland, Regeneration		3			1 3.0
Parotid Gland, Right, Degeneration	1	1	2		3 1.3
Parotid Gland, Right, Regeneration			1	1	2 1.0
Right, Submandibular Gland, Degeneration	4	3	2	4	4 3.3
Right, Submandibular Gland, Inflammation		2		3	2 2.5
Right, Submandibular Gland, Necrosis		1			1 1.0
Right, Submandibular Gland, Regeneration	3	2	2	3	4 2.5
Stomach, Forestomach	+	+	+	+	+
					5
Stomach, Glandular Mineralization	+	+	+	+	+
	1	2			
					5 2 1.5
Tongue	+	+	+	+	+
					5

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	5
----------------	---	---	---	---	---	---

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	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
VEHCONTRCOHRTA	1	1	1	1	1
	0	0	0	0	0
	1	2	3	4	5

*** TOTALS**

Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+		+	+	+	4
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	5
-------------	---	---	---	---	---	---

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Lab: MBA

	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE

ANIMAL ID

VEHCONTRCOHRTA

0	0	0	0	0
0	0	0	0	0
1	1	1	1	1
0	0	0	0	0

*** TOTALS**

Lymph Node, Mandibular M M M M M 0

Lymph Node, Mesenteric + + + + + 5

Spleen + + + + + 5

Thymus + + + + + 5

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + 5

Skin + + + + + 5

MUSCULOSKELETAL SYSTEM

Bone + + + + + 5

NERVOUS SYSTEM

Brain + + + + + 5

RESPIRATORY SYSTEM

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
VEHCONTRCOHRTA	1	1	1	1	1
	0	0	0	0	0
	1	2	3	4	5

*** TOTALS**

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	5
Retina, Dysplasia	1	1				2 1.0
Harderian Gland	+	+	+	+	+	5

URINARY SYSTEM

Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5

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	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-8ADHAQP1COHTA	1	1	1	1	1
	2	2	2	2	3
	6	7	8	9	0

* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Degeneration	1					1 1.0
Left, Parotid Gland, Mitosis	1	1				3 1.3
Left, Submandibular Gland, Degeneration	4		2			1 4.0

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DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
FISCHER 344 RATS FEMALE ANIMAL ID 2-8ADHAQP1COHTA	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	2	2	2	2	3	
	6	7	8	9	0	* TOTALS
Left, Submandibular Gland, Inflammation	2					1 2.0
Left, Submandibular Gland, Regeneration	3					1 3.0
Parotid Gland, Right, Degeneration		1				1 1.0
Parotid Gland, Right, Mitosis	2		1	2		3 1.7
Right, Submandibular Gland, Degeneration	3	4	3	3		4 3.3
Right, Submandibular Gland, Inflammation	1	2	2	2		4 1.8
Right, Submandibular Gland, Regeneration	1	3	3	3		4 2.5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular Mineralization	+	+	+	+	+	5
	1					1 1.0
Tongue	+	+	+	+	+	5

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
FISCHER 344 RATS FEMALE 2-8ADHAQP1COHTA	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	3
	6	7	8	9	0
	* TOTALS				
Islets, Pancreatic	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+
Pituitary Gland		+	+	+	+
Thyroid Gland	+	+	+	+	+

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

+ + + + + 5

Ovary

+ + + + + 5

Uterus

+ + + + + 5

HEMATOPOIETIC SYSTEM

Bone Marrow

+ + + + + 5

Lymph Node, Mandibular

M M M M M 0

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 2-8ADHAQP1COHTA	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	3
	6	7	8	9	0
	* TOTALS				
Lymph Node, Mesenteric	+	+	+	+	+
Spleen	+	+	+	+	+
Thymus	+	+	+	+	+
INTEGUMENTARY SYSTEM					
Mammary Gland	+	+	+	+	+
Skin	+	+	+	+	+
MUSCULOSKELETAL SYSTEM					
Bone	+	+	+	+	+
NERVOUS SYSTEM					
Brain	+	+	+	+	+
RESPIRATORY SYSTEM					
Lung	+	+	+	+	+

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 2-8ADHAQP1COHTA	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	3
	6	7	8	9	0
	* TOTALS				
Nose	+	+	+	+	+
Trachea	+	+	+	+	+
					5
					5
SPECIAL SENSES SYSTEM					
Eye	+	+	+	+	+
Harderian Gland	+	+	+	+	+
					5
					5
URINARY SYSTEM					
Kidney	+	+	+	+	+
Urinary Bladder	+	+	+	+	+
					5
					5

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	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
8-9ADHAQP1COHTA	1	1	1	1	1
	5	5	5	5	5
	1	2	3	4	5

* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Inflammation					1	1 1.0
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Degeneration	1		1			2 1.0
Left, Parotid Gland, Mitosis	2	1	1			3 1.3

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	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
FISCHER 344 RATS FEMALE ANIMAL ID 8-9ADHAQP1COHTA	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
	1	2	3	4	5	* TOTALS
Parotid Gland, Right, Degeneration		1				1 1.0
Parotid Gland, Right, Mitosis			1	2		2 1.5
Right, Submandibular Gland, Degeneration	3	3	2	3	3	5 2.8
Right, Submandibular Gland, Inflammation	3		3	3	3	4 3.0
Right, Submandibular Gland, Regeneration	1	1	2	1	2	5 1.4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular Inflammation	+	+	+	+	+	5
	1					1 1.0
Tongue	+	+	+	+	+	5

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
FISCHER 344 RATS FEMALE 8-9ADHAQP1COHTA	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
	1	2	3	4	5

*** TOTALS**

Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	5
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5

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TDMS No. 20537 - 02

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Route: INTRADUCTAL CANNULATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Adenoviral Vector (AdhAQP1)

CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009

Time Report Requested: 11:31:02

First Dose M/F: NA / 07/25/05

Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
FISCHER 344 RATS FEMALE 8-9ADHAQP1COHTA	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
	1	2	3	4	5

*** TOTALS**

Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	5
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NERVOUS SYSTEM

Brain	+	+	+	+	+	5
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RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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ANIMAL ID	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
	1	2	3	4	5

*** TOTALS**

Trachea	+	+	+	+	+	5
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SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5

URINARY SYSTEM

Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5

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	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-11ADHAQP1COHTA	1	1	1	1	1
	7	7	7	7	8
	6	7	8	9	0

* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Degeneration	1					1 1.0
Left, Parotid Gland, Mitosis						1 1.0
Left, Parotid Gland, Regeneration	1					1 1.0

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	0	0	0	0	0	
	3	3	3	3	3	
FISCHER 344 RATS FEMALE ANIMAL ID 2-11ADHAQP1COHTA	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	8	
	6	7	8	9	0	
						* TOTALS
Left, Submandibular Gland, Degeneration	3					1 3.0
Left, Submandibular Gland, Inflammation	4					1 4.0
Left, Submandibular Gland, Necrosis	3					1 3.0
Left, Submandibular Gland, Regeneration	1					1 1.0
Parotid Gland, Right, Degeneration		2	1	1		3 1.3
Parotid Gland, Right, Mitosis		1				1 1.0
Parotid Gland, Right, Necrosis	1		1			2 1.0
Parotid Gland, Right, Regeneration		2				1 2.0
Right, Submandibular Gland, Degeneration	3	4	4	4		4 3.8
Right, Submandibular Gland, Inflammation	3	4	4	4		4 3.8
Right, Submandibular Gland, Necrosis	2	3	3	3		4 2.8
Right, Submandibular Gland, Regeneration	2	1	1	1		4 1.3
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	5
Heart Cardiomyopathy	+	+	+	+	+	5

ENDOCRINE SYSTEM

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	0	0	0	0	0
	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-11ADHAQP1COHTA	1	1	1	1	1
	7	7	7	7	8
	6	7	8	9	0

*** TOTALS**

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+		4
Thyroid Gland	+	+	+	+	+	5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	5
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

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ANIMAL ID	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	8
	6	7	8	9	0

* TOTALS

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	5
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NERVOUS SYSTEM

Brain	+	+	+	+	+	5
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	1	1	1	1	1
	7	7	7	7	8
	6	7	8	9	0

*** TOTALS****RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5

URINARY SYSTEM

Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5

***** END OF REPORT *****

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